



FIGURE 5

Dose related effect in terms of Dextran-FITC conjugate take-up at high concentrations

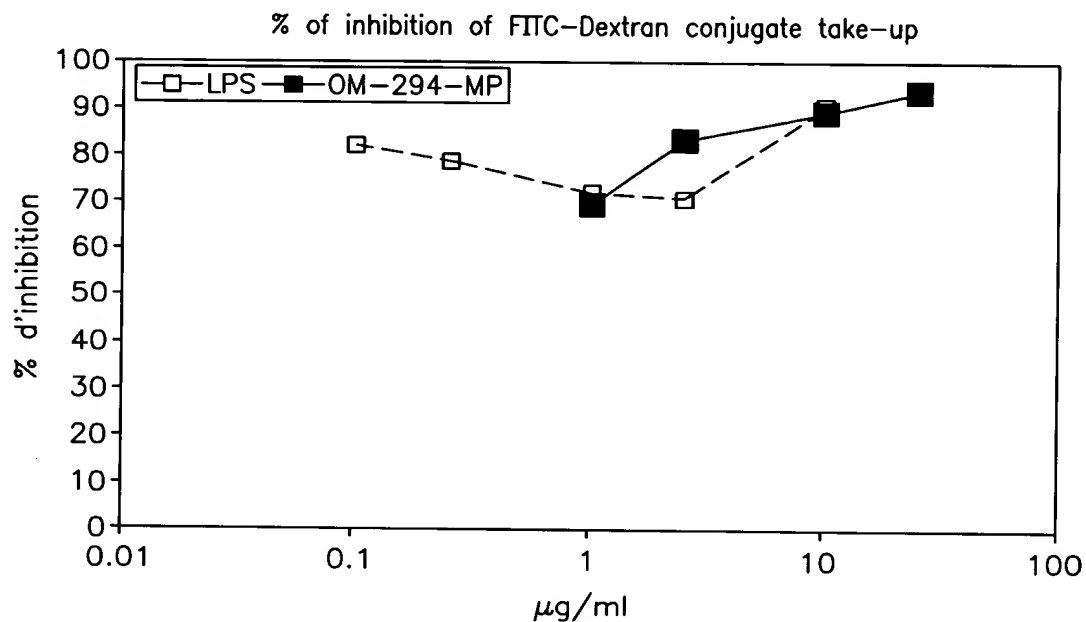
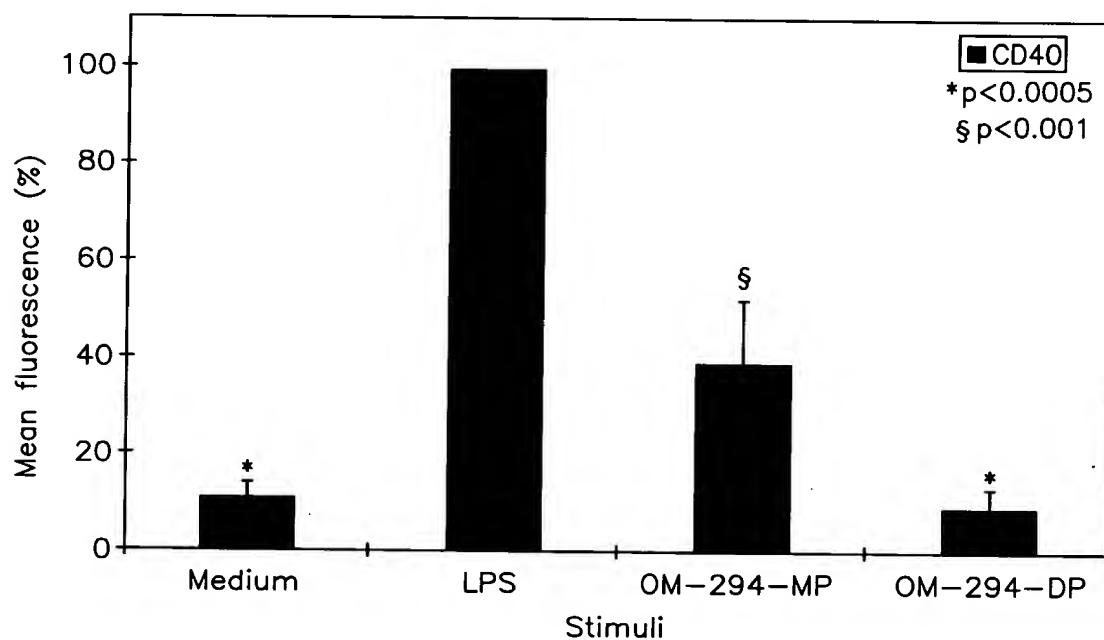


FIGURE 6

CD40 co-stimulating surface marker expression



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FIGURE 9

Expression of CD80 co-stimulating surface marker

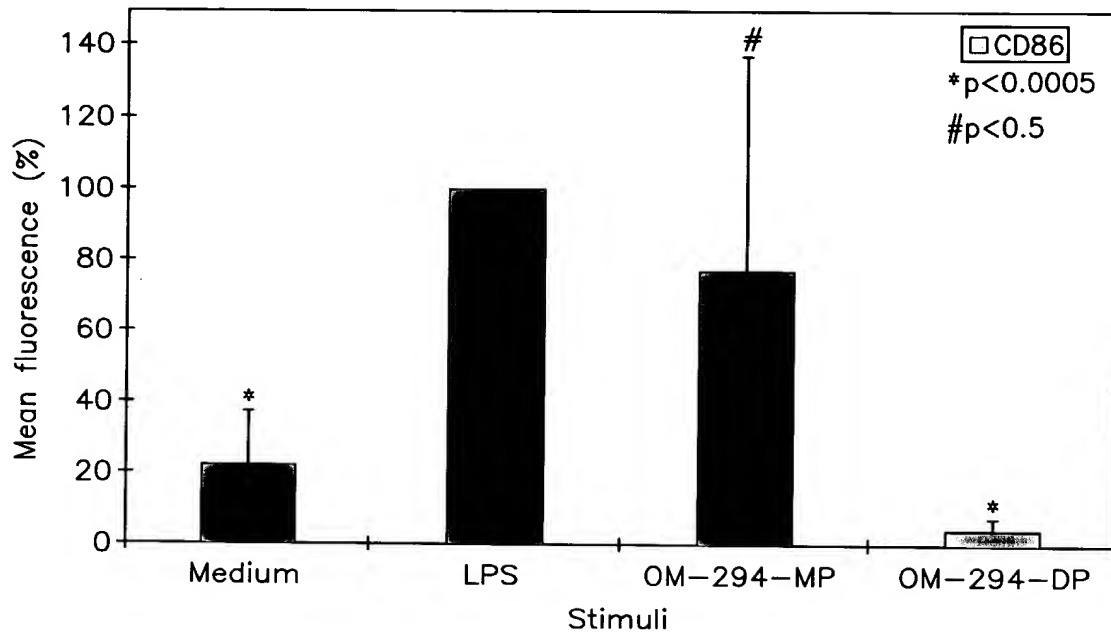
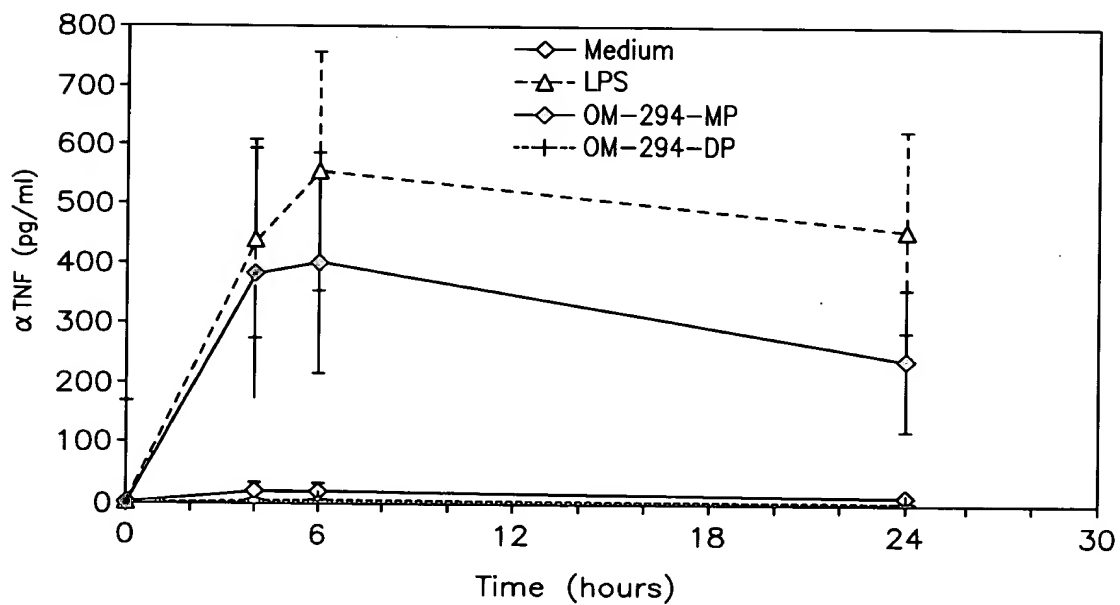


FIGURE 10

Effect of OM-294-MP and OM-294-DP products on α TNF production by predendritic cells at DC-6 stage



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FIGURE 11

Effect of OM-294-MP and OM-294-DP products on IL-12 p70 production by predendritic cells at DC-6 stage (IFN = γ IFN)

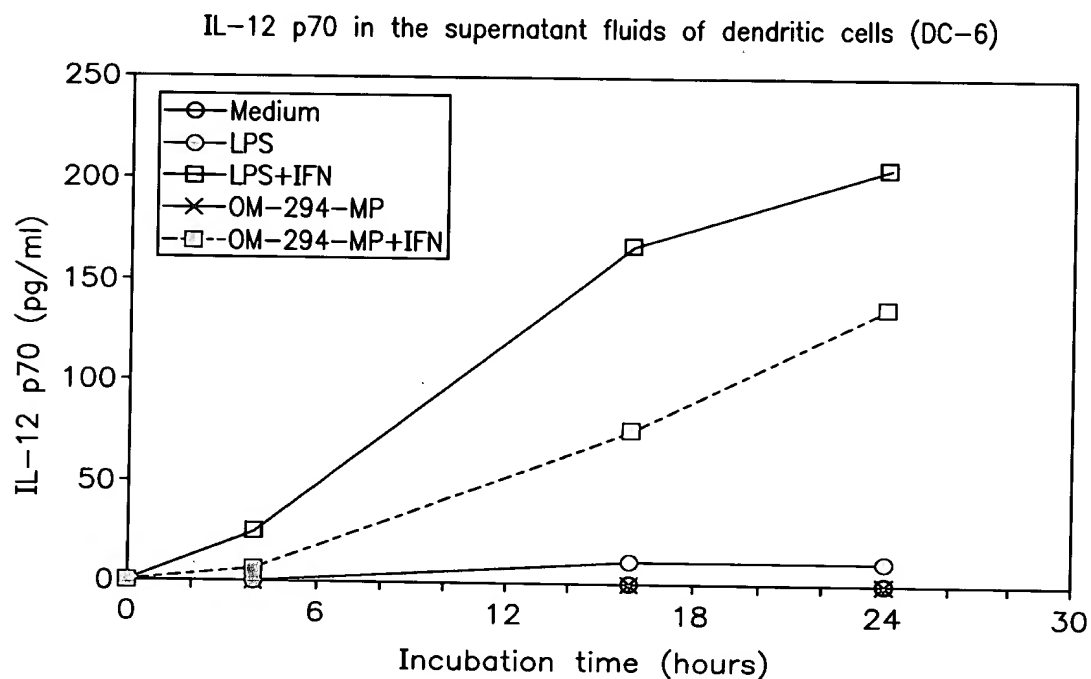
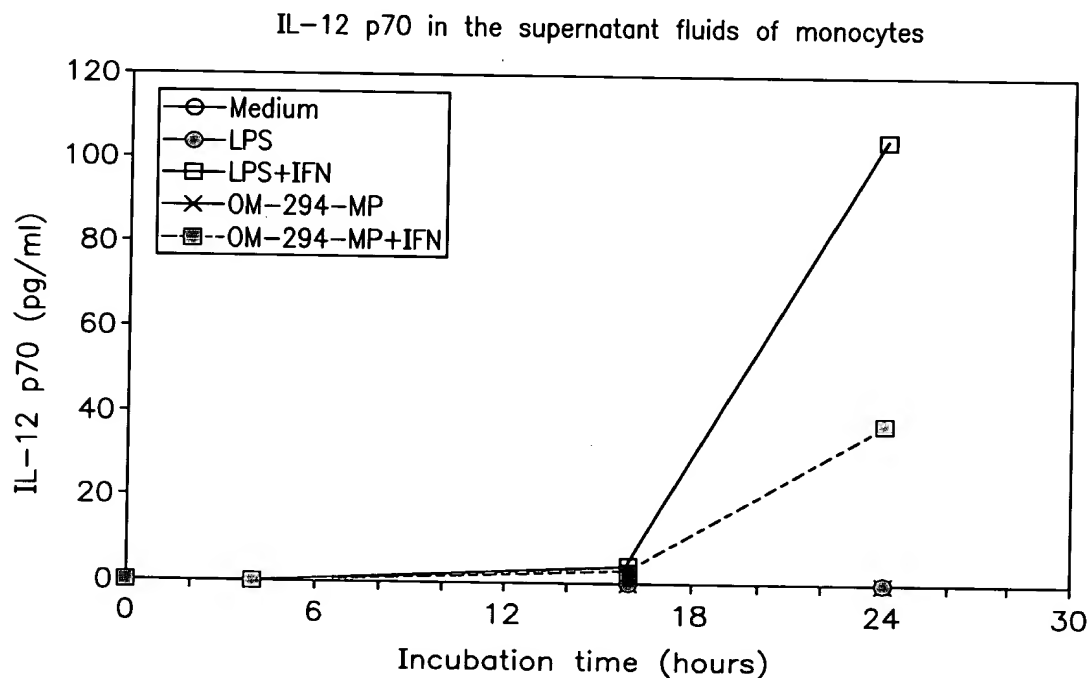
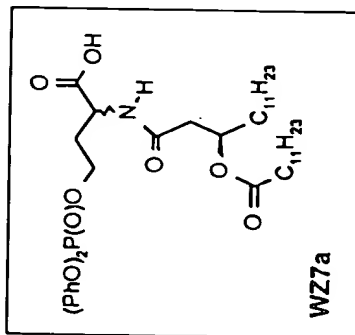
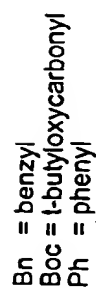


FIGURE 12

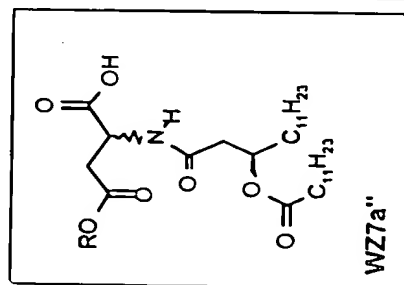
Effect of OM-294-MP products on IL-12 p70 production by monocytes (IFN = γ IFN)



Homoserine route



ASPARTIC ACID



Homoserine route

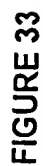
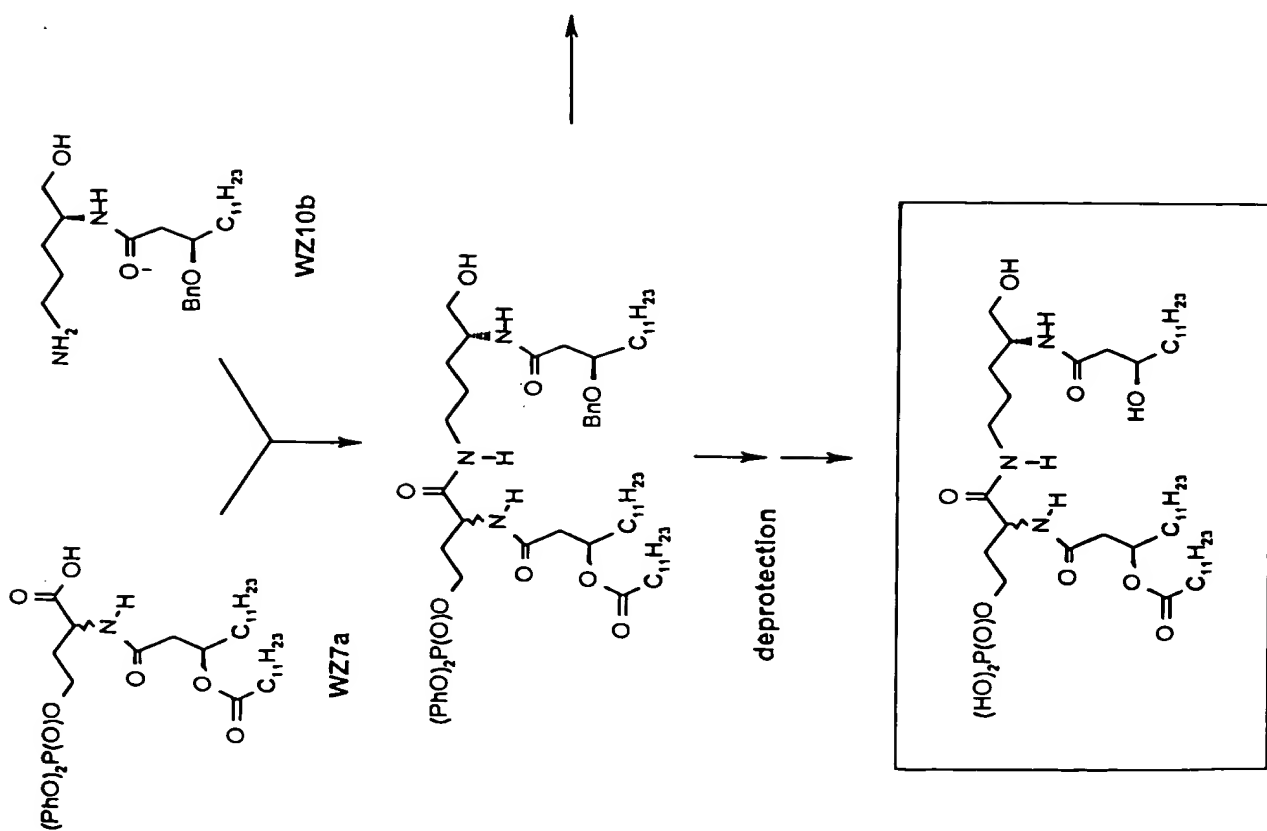


FIGURE 34

SYNTHESIS SCHEME 2

Bn = benzyl
Ph = phényl

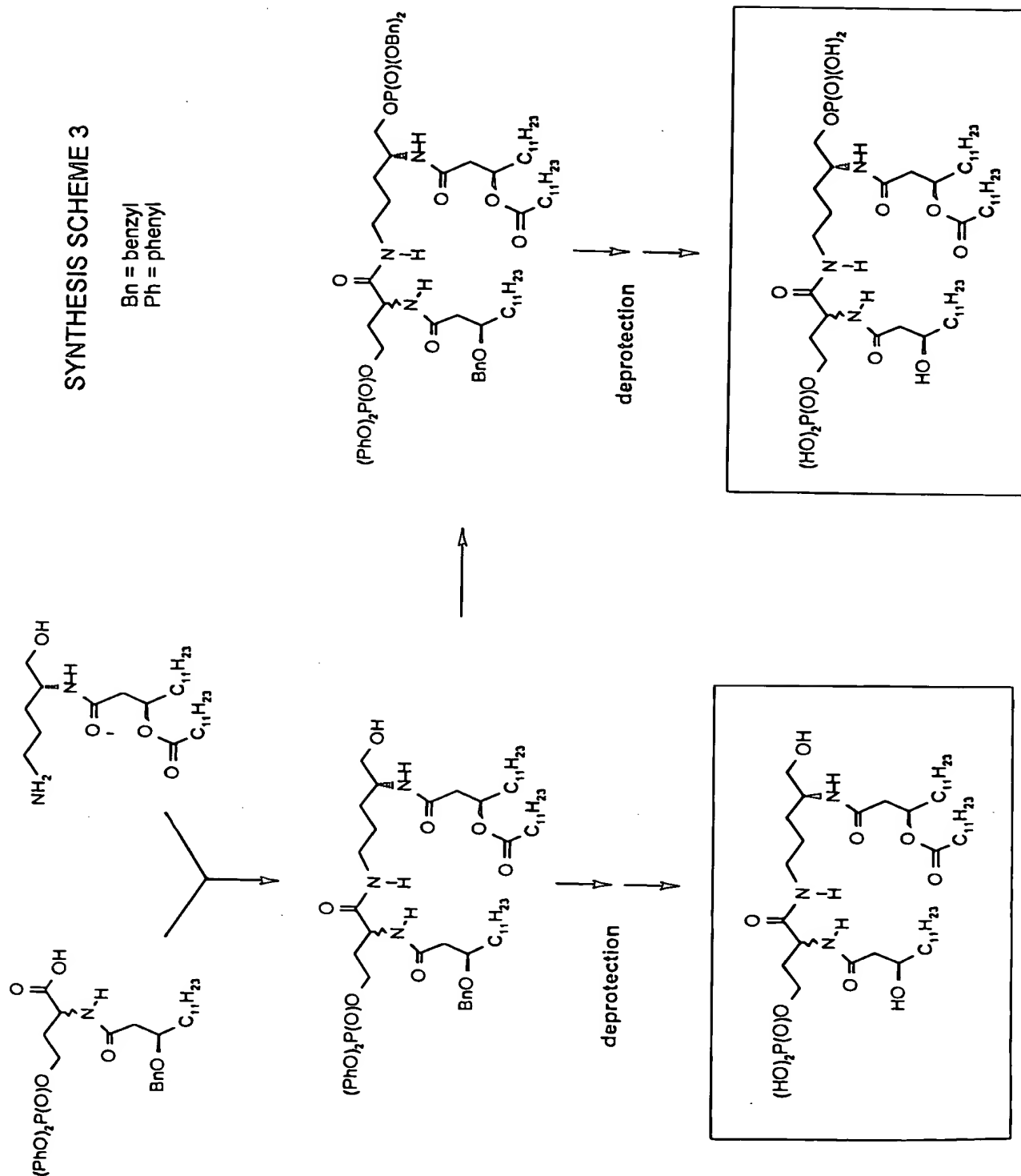


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FIGURE 35

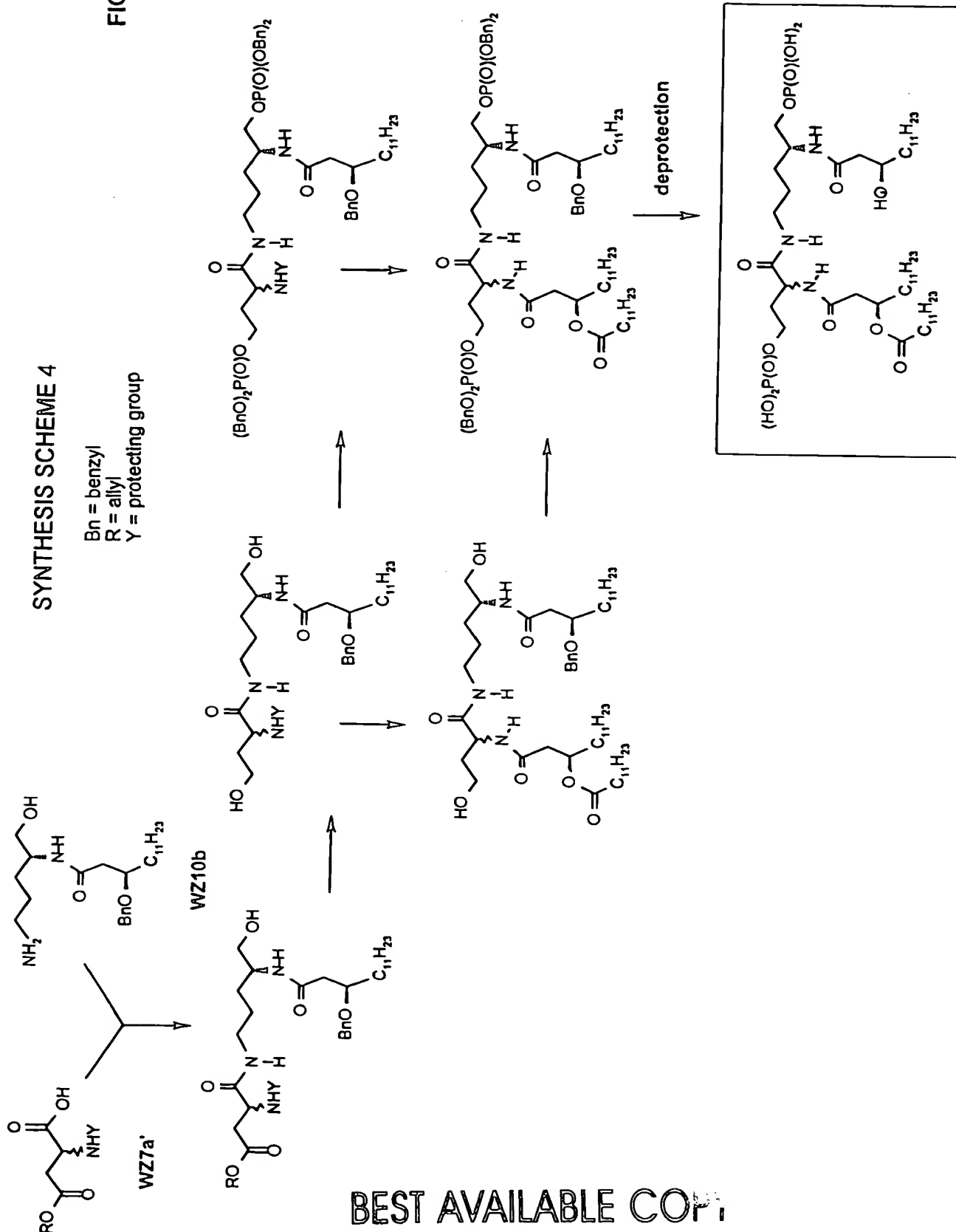
SYNTHESIS SCHEME 3

Bn = benzyl
Ph = phenyl



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FIGURE 36



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FIGURE 37

SYNTHESIS SCHEME 5

Bn = benzyl
R = allyl
Y = protecting group

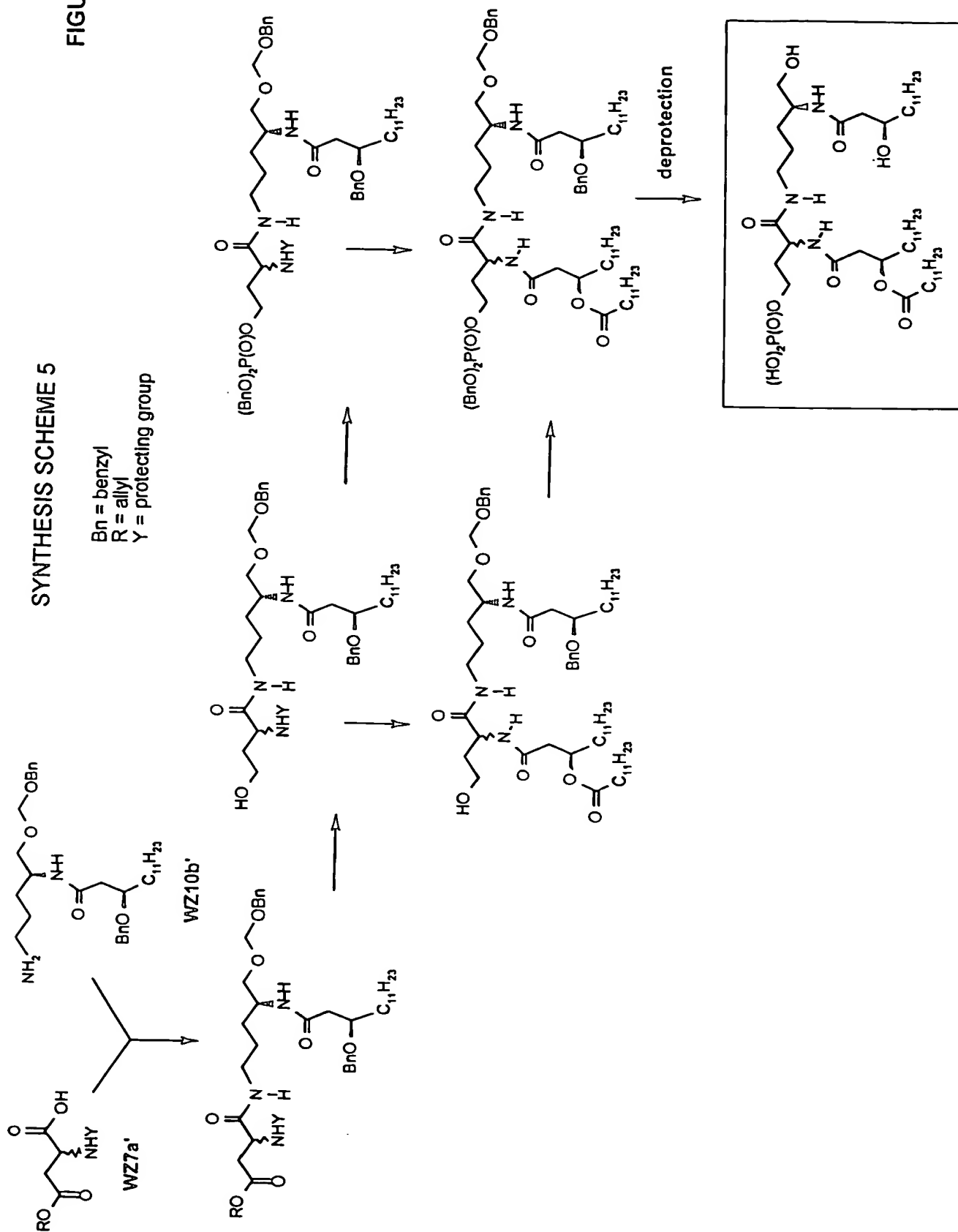
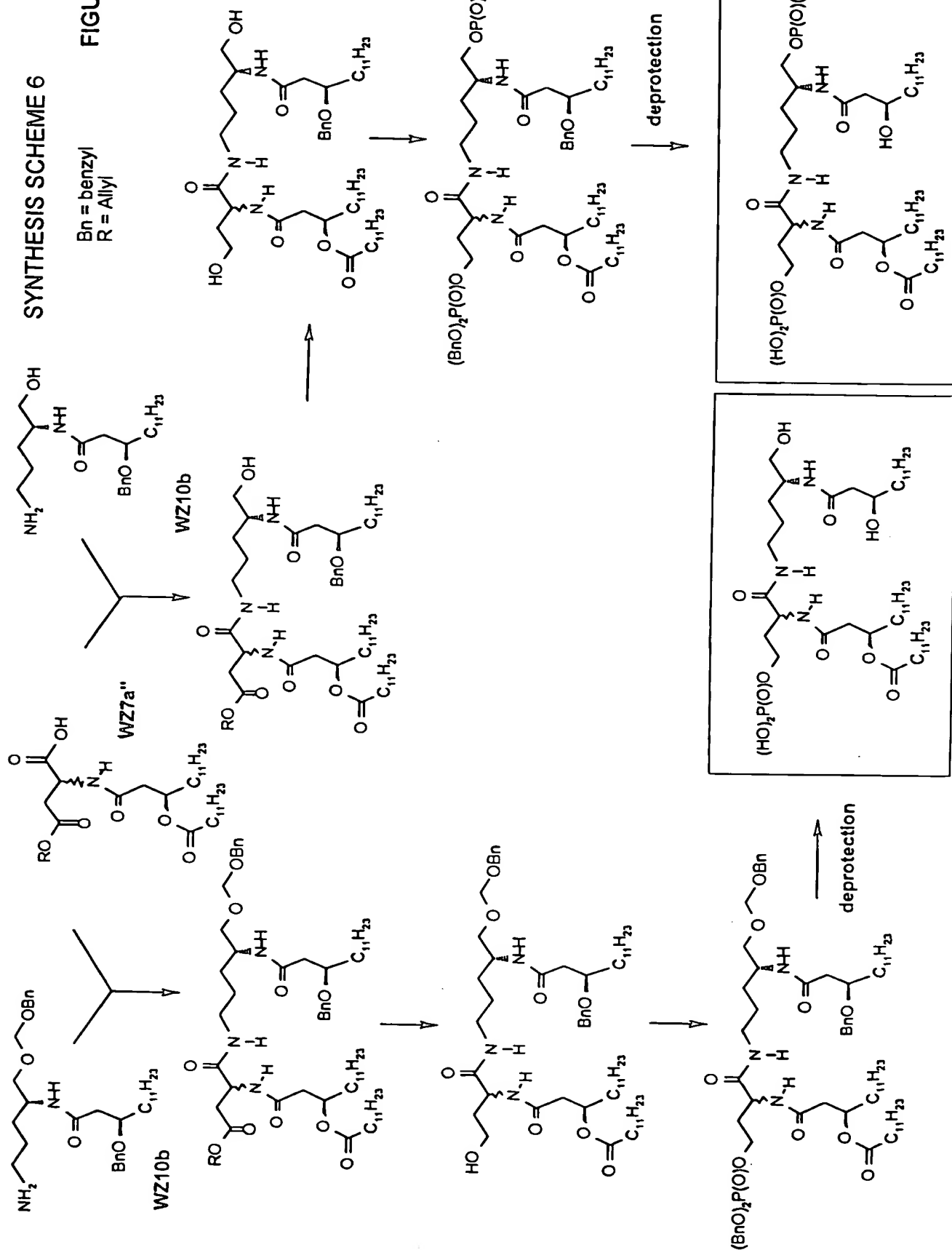


FIGURE 38

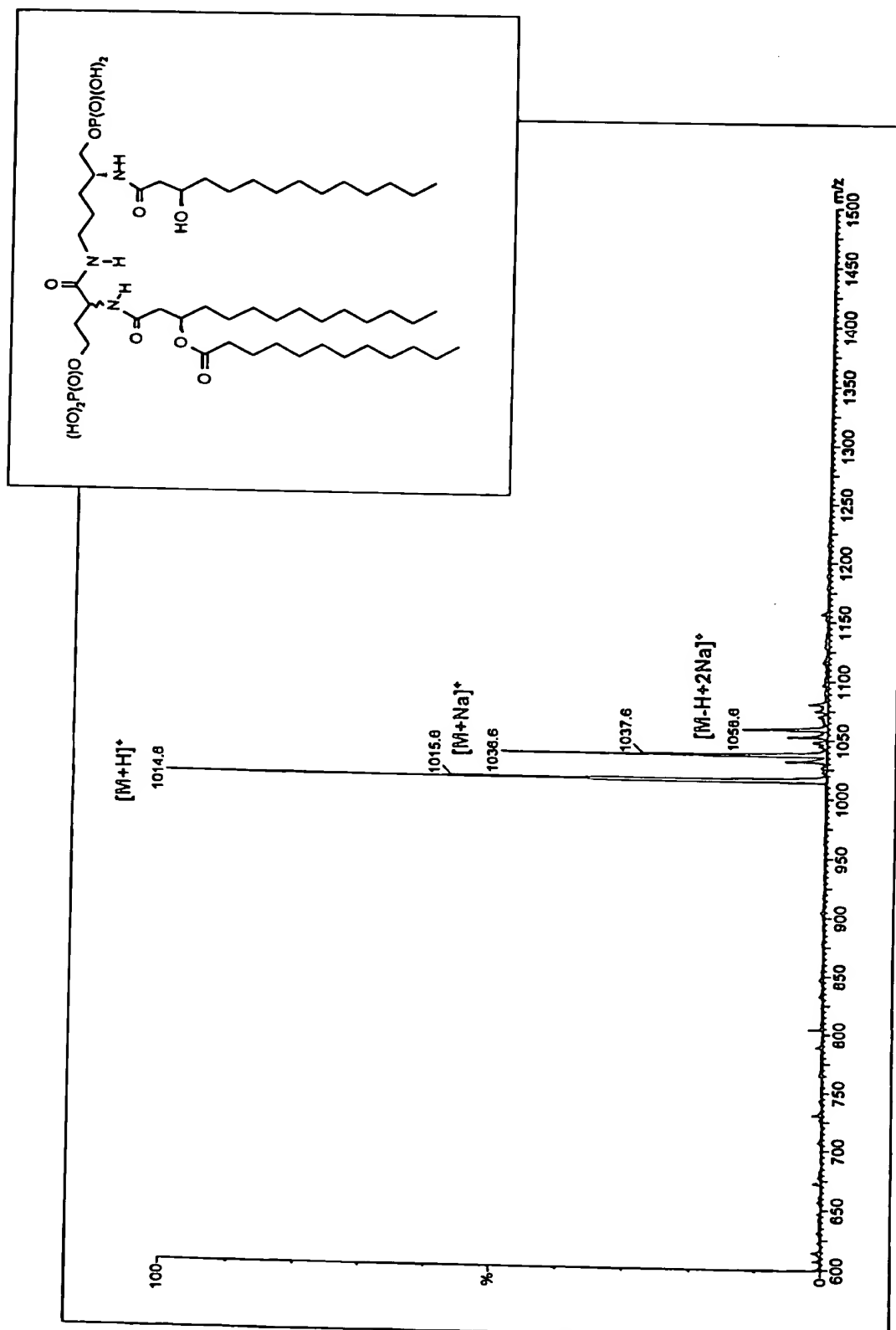
Bn = benzyl
R = Allyl



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SPECTRUM 1
Diphosphorylated compound
ES-MS spectra (positive mode)

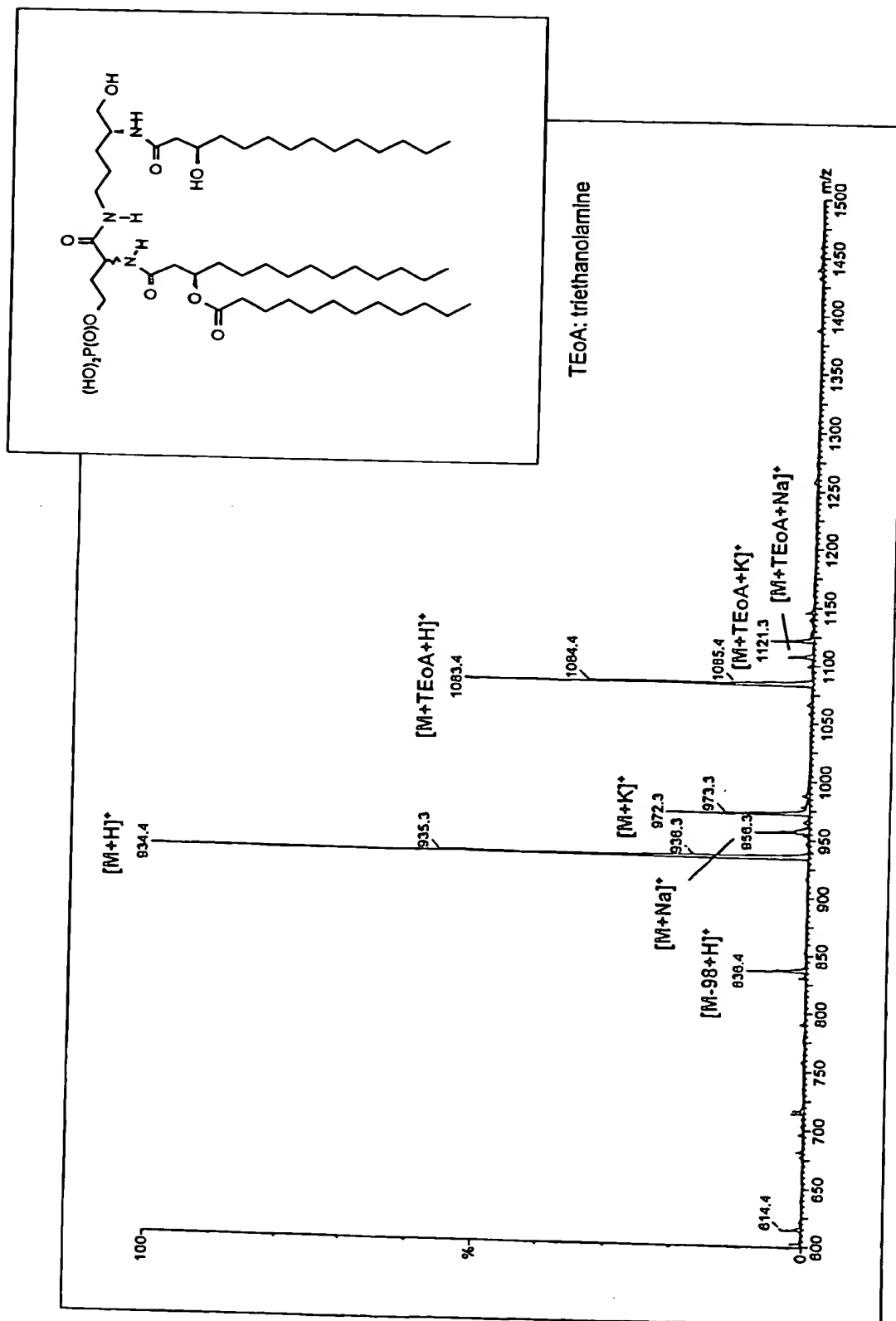
FIGURE 39



Instrumentation: Micromass Quattro II (Z-spray), triple stage quadrupole

monophosphorylated compound
ES-MS spectra (positive mode)

FIGURE 40



Instrumentation: Micromass Quatro II (Z-spray), triple stage quadrupole

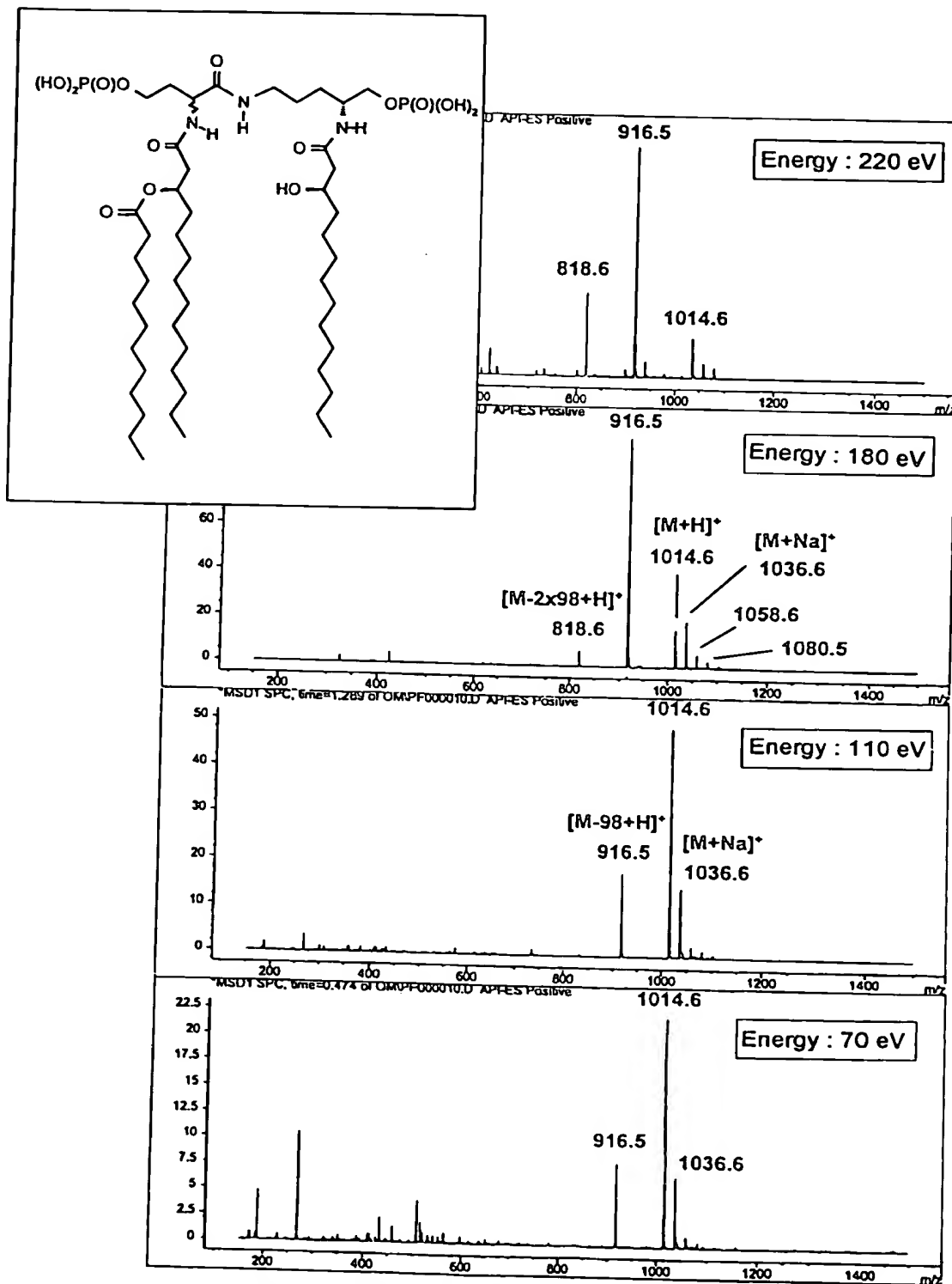
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FIGURE 41

SPECTRUM 3

Diphosphorylated compound

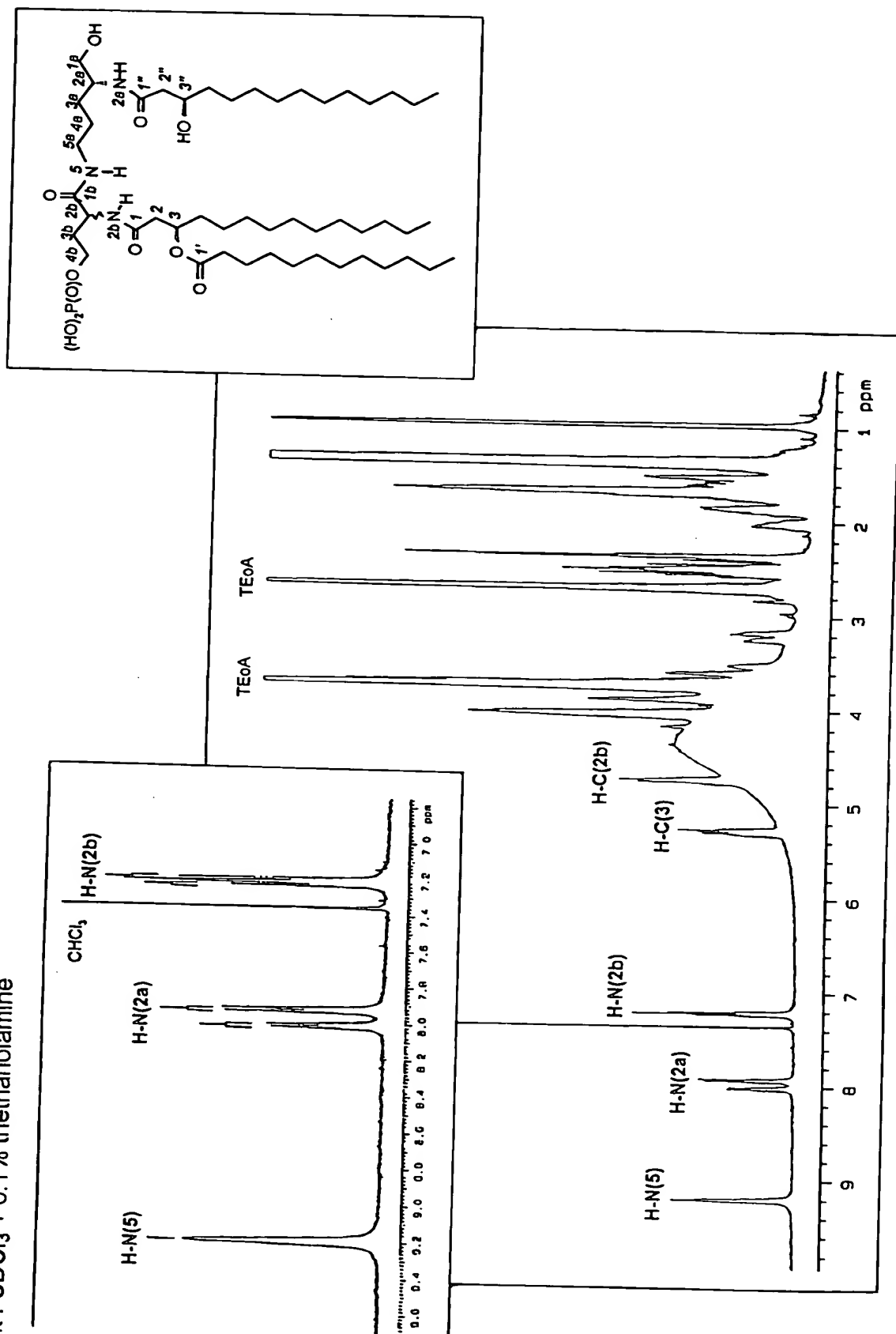
ES-MS spectra (positive mode fragmentation)



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SPECTRUM 4 monophosphorylated compound
nt : CDCl₃ + 0.1% triethanolamine
¹H-NMR Spectrum

FIGURE 42



Instrumentation: Varian Unity INOVA 500 MHz

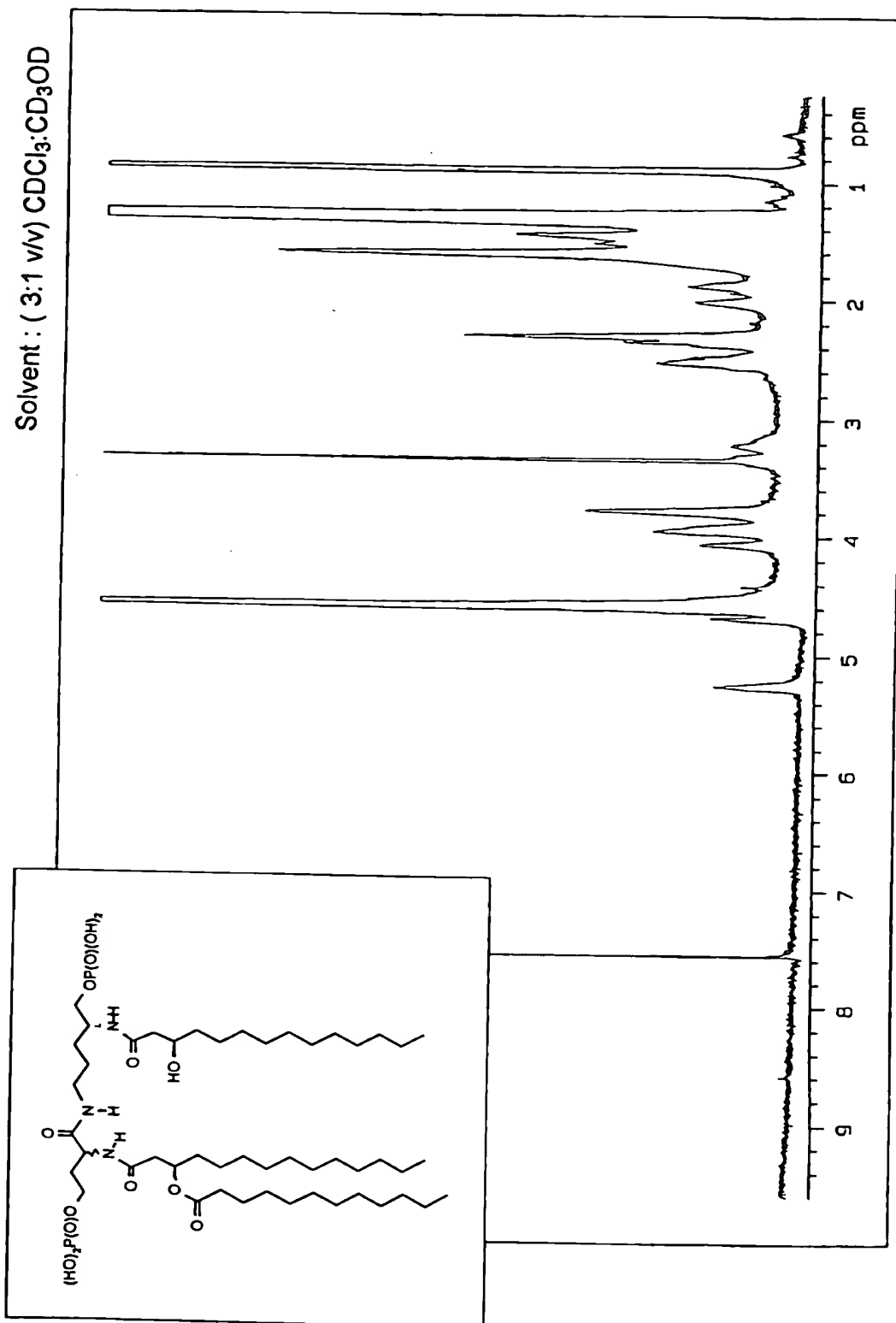
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monophosphorylated compound

SPECTRUM 5

^1H -NMR Spectrum

FIGURE 43



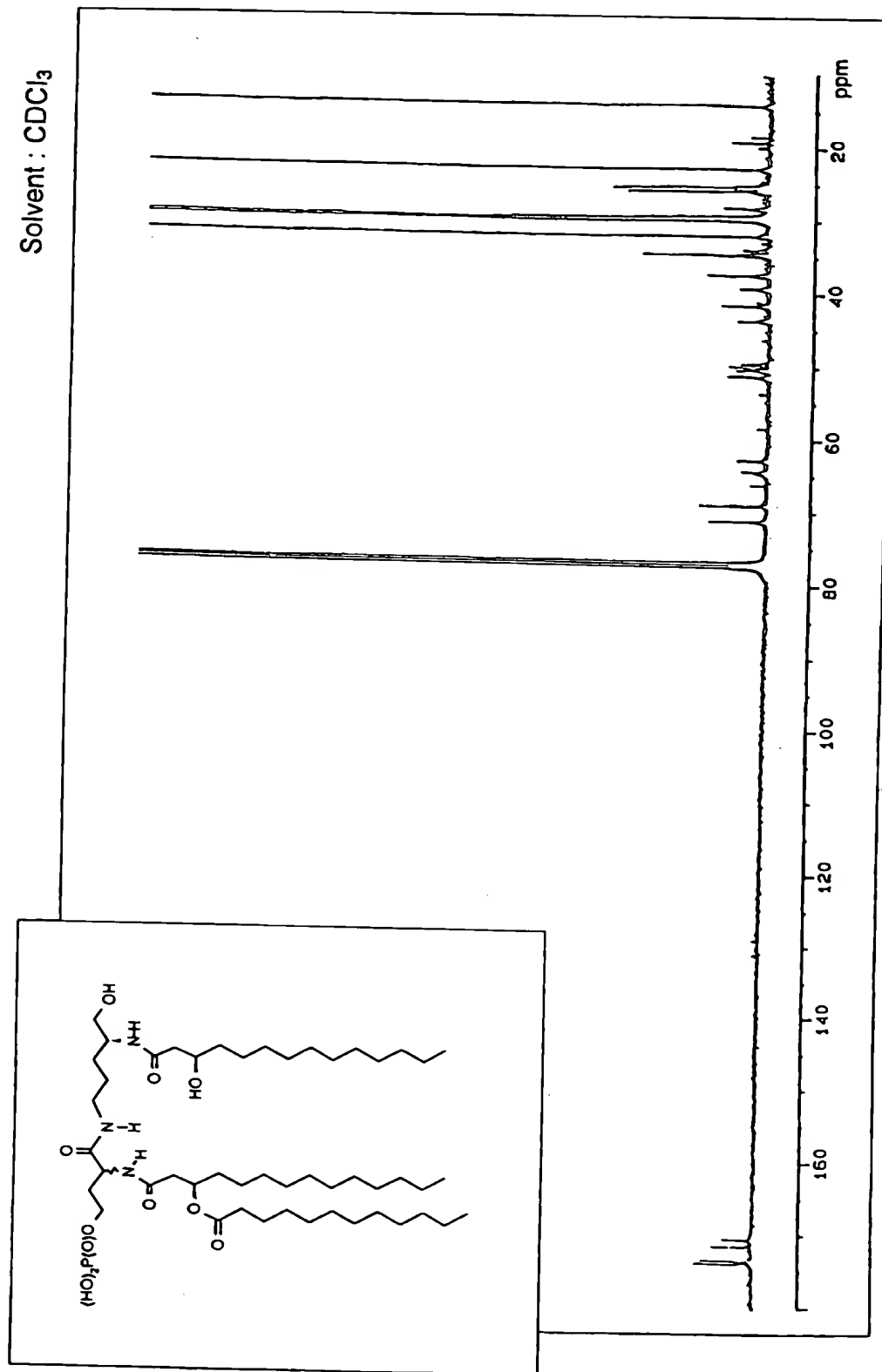
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monophosphorylated compound

SPECTRUM 6

^{13}C -NMR Spectrum

FIGURE 44



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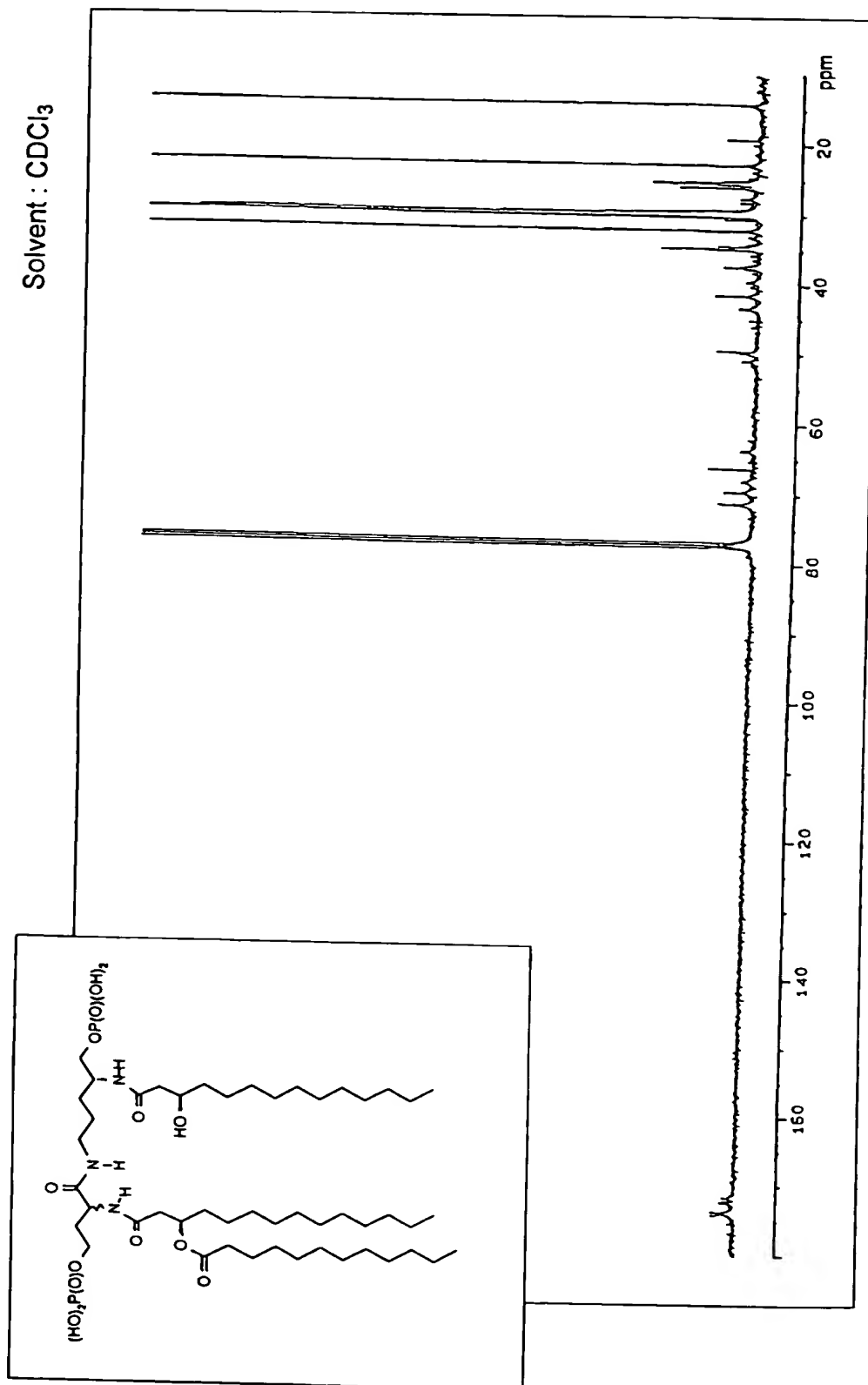
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Diphosphorylated compound

Spectrum 7

^{13}C -NMR Spectrum

FIGURE 45



Instrumentation: Bruker DPX 250 MHz

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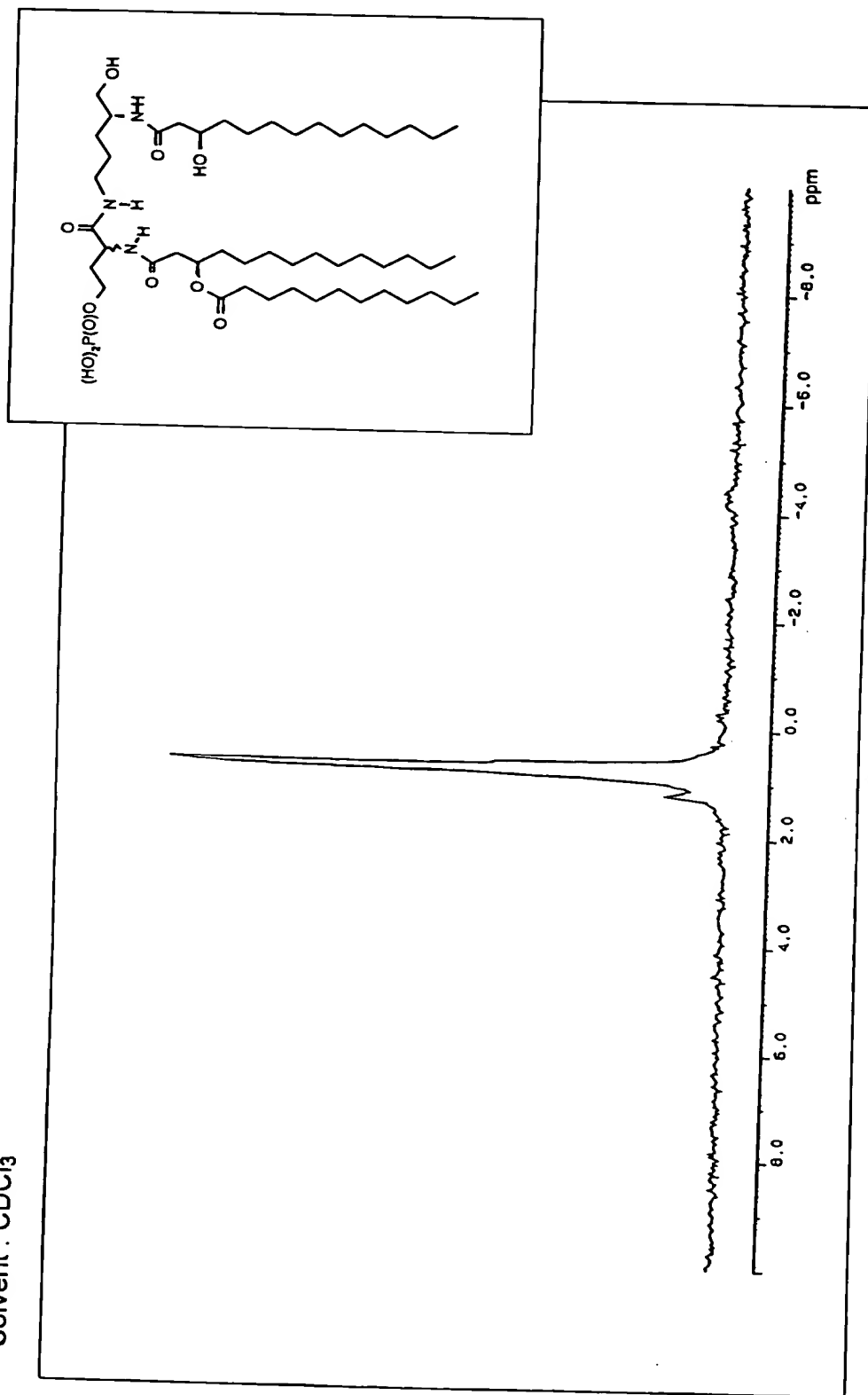
FIGURE 46

monophosphorylated compound

^{31}P -NMR Spectrum

Spectrum 8

Solvent : CDCl_3



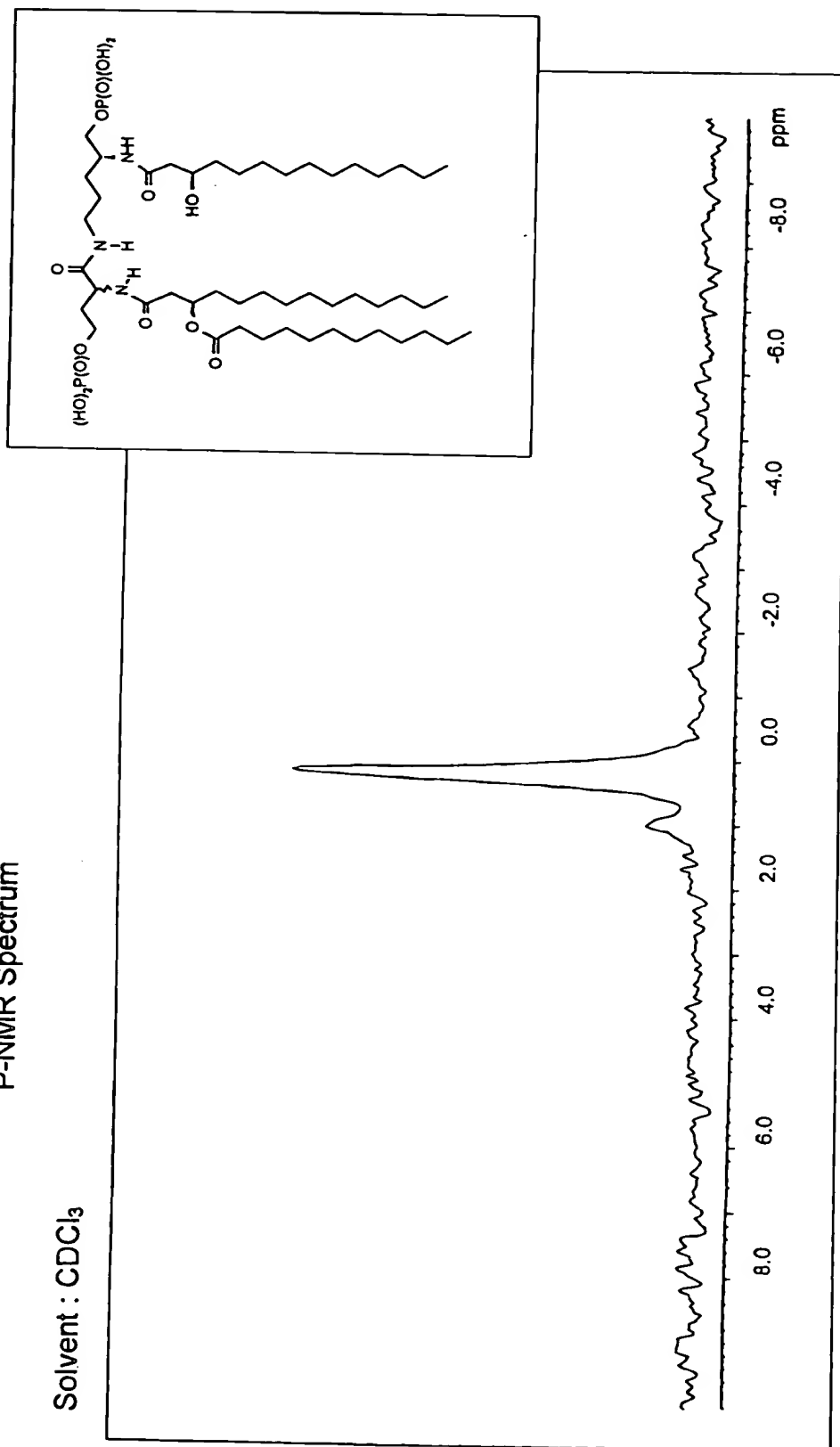
Instrumentation: Bruker DPX 300 MHz

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FIGURE 47

Spectrum 9 Diphosphorylated compound
 ^{31}P -NMR Spectrum

Solvent : CDCl_3



Instrumentation: Bruker DPX 300 MHz